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**DECLARATION - USA PATENT APPLICATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled METHODS TO FORM A MEMORY CELL WITH METAL-RICH METAL CHALCOGENIDE; the specification of which is attached hereto;

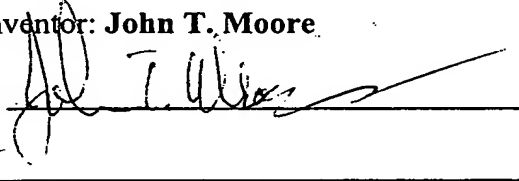
I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above;

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56;

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful, false statements may jeopardize the validity of the application or any patent issued thereon.

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Full name of first inventor: **John T. Moore**

Inventor's signature 

Date 8/22/02

Residence: **Boise, Idaho**

Citizenship: **United States**

Post Office Address: **12530 W. Lexus Court, Boise, Idaho 83713**

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Full name of second inventor: **Terry L. Gilton**

Inventor's signature 

Date 8/27/02

Residence: **Boise, Idaho**

Citizenship: **United States**

Post Office Address: **3149 E. Nature Drive, Boise, Idaho 83706**

Full name of third inventor: **Kristy A. Campbell**

Inventor's signature 

Date 8/27/02

Residence: **Boise, Idaho**

Citizenship: **United States**

Post Office Address: **9845 W. Mossy Cup Street, Boise, Idaho 83709**

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Send Correspondence To:

**KNOBBE, MARTENS, OLSON & BEAR, LLP**

**Customer No. 20,995**

Docket No.: M4065.0989/P989  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
John T. Moore, et al.

Application No.: 10/231,779

Confirmation No.: 4437

Filed: August 29, 2002

Art Unit: 2818

For: METHODS TO FORM A MEMORY CELL  
WITH METAL-RICH METAL  
CHALCOGENIDE

Examiner: D. Nhu

**REVOCATION OF POWER OF ATTORNEY  
AND NEW POWER OF ATTORNEY**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

The undersigned, a duly authorized representative of Micron Technology, Inc., the current assignee of this application as demonstrated by the attached copy of the assignment, hereby revokes all Powers of Attorney previously given, and hereby appoints the following attorneys and/or agents to prosecute this application and transact all business in the U.S. Patent and Trademark Office connected herewith:

Gary M. Hoffman	26,411	Ryan H. Flax	48,141	Ellen S. Tao	43,383
Thomas J. D'Amico	28,371	Richard LaCava	41,135	Gary L. Veron	39,057
Donald A. Gregory	28,954	John C. Luce	34,378	Steven I. Weisburd	27,409
James W. Brady, Jr.	32,115	Peter McGee	35,947	Peter Zura	48,196
Jon D. Grossman	32,699	Edward A. Meilman	24,735	Jeremy A. Cubert	40,399
Mark J. Thronson	33,082			Gianni Minutoli	41,198
Eric Oliver	35,307	William E. Powell, III	39,803	Michael Bergman	42,318
Laurence E. Fisher	37,131	Steven S. Rubin	43,063	Salvatore P. Tamburo	45,153
Ian R. Blum	42,336	Michael J. Scheer	34,425	Peter A. Veytsman	45,920
Gabriela I. Coman	50,515	Stephen A. Soffen	31,063	Christopher S. Chow	46,493
Catherine A. Ferguson	40,877	Christopher M. Tanner	41,518		

All attorneys of the law firm Dickstein Shapiro Morin & Oshinsky LLP and also, listed as follows:

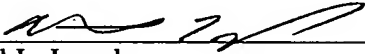
Charles B. Brantley, III	38,086	Kevin D. Martin	37,882	Russell Slifer	39,838
Michael L. Lynch	30,871	David J. Paul	34,692		

attorneys/agents of Micron Technology, Inc. as its attorneys with full power of substitution to prosecute this application and to transact all business in the Patent and Trademark Office in connection therewith.

Address all communications to:

Thomas J. D'Amico  
DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP  
2101 L Street NW  
Washington, DC 20037-1526  
(202) 785-9700

For: Micron Technology, Inc.

  
\_\_\_\_\_  
Michael L. Lynch

Dated: Oct 7, 2003

Application No.: Unknown  
Filing Date: Herewith

PATENT  
Client Code: MICRON.259A  
Page 1

### ASSIGNMENT

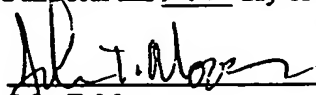
WHEREAS, We, John T. Moore, a citizen of the United States of America, residing at 12530 W. Lexus Court, Boise, Idaho 83713, Terry L. Gilton, a United States citizen residing at 3149 E. Nature Drive, Boise, Idaho 83706, and Kristy A. Campbell, a United States citizen residing at 9845 W. Mossy Cup Street, Boise, Idaho 83709, have invented certain new and useful improvements in METHODS TO FORM A MEMORY CELL WITH METAL-RICH METAL CHALCOGENIDE for which we have executed an application for Letters Patent in the United States, on even date herewith;

AND WHEREAS, Micron Technology, Inc. (hereinafter "ASSIGNEE"), a Delaware Corporation, with its principal place of business at 8000 South Federal Way, Boise, Idaho 83707-0006, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in return for good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all provisional applications relating thereto, and all divisions, renewals and continuations thereof; and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 27 day of August, 2002.

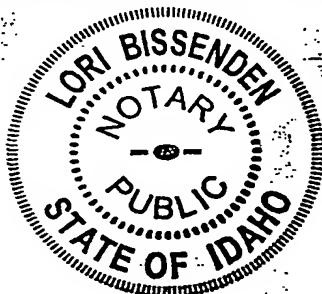
  
John T. Moore

STATE OF Idaho }  
COUNTY OF Ada } ss.

On Aug 27, 02, before me, Lori Bissenden, personally appeared John T. Moore personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument, the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



  
Notary Signature

Application No.: Unknown  
Filing Date: Herewith

PATENT  
Client Code: MICRON.259A  
Page 2

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 27 day of August, 2002.

Terry L. Gilton  
Terry L. Gilton

STATE OF Idaho

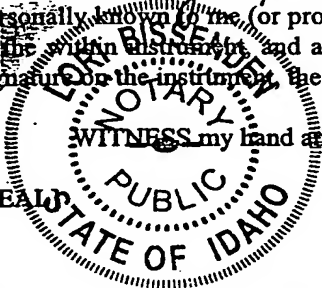
COUNTY OF Ada

SS.

On Aug 27, 02, before me, Lori Bissenden, personally appeared Terry L. Gilton personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument, the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



Lori Bissenden  
Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 27 day of August, 2002.

Kristy A. Campbell  
Kristy A. Campbell

STATE OF Idaho

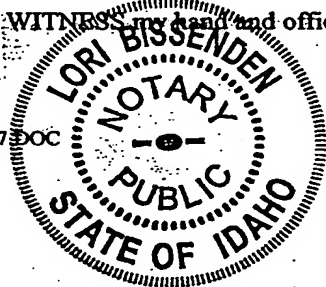
COUNTY OF Ada

SS.

On Aug 27, 02, before me, Lori Bissenden, personally appeared Kristy A. Campbell personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that she executed the same in her authorized capacity, and that by her signature on the instrument, the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



MSO-3117 DOC  
070102

Lori Bissenden  
Notary Signature